RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/657, 431 ASource: IFW/6Date Processed by STIC: 08/03/2005

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 08/03/2005
PATENT APPLICATION: US/09/657,431A TIME: 08:18:41

```
4 <110> APPLICANT: ConjuChem, Inc.
        Beliveau, Richard
         Bridon, Dominique
         Rasamoelisolo, Michele
         Thibaudeau, Karen
 8
        Huang, Xicai
. 9
11 <120> TITLE OF INVENTION: Long Lasting Anti-Angiogenic Peptides
14 <130> FILE REFERENCE: 500862001400
16 <140> CURRENT APPLICATION NUMBER: 09/657,431A
17 <141> CURRENT FILING DATE: 2000-09-07
19 <150> PRIOR APPLICATION NUMBER: 60/153,406
20 <151> PRIOR FILING DATE: 1999-09-10
22 <150> PRIOR APPLICATION NUMBER: 60/159,783
23 <151> PRIOR FILING DATE: 1999-10-15
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42 Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe Gln Tyr His
                                40
44 Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser
                           55
46 Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr
                       70
48 Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg Gly Thr Ser
50 Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser Pro
52 His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu Glu
                               120
54 Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp Cys
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                                               140
56 Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys Asp Ile Leu Glu
57 145
                       150
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58 Cys Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly Lys 59 165 165 170 170 175 175 60 Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asn Ser Gln Ala Trp Asn Incomplete 190 Asn Incomplete Incompl
60 Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser Gln 61
61
62 Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn 195
63
64 Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu Leu Arg Pro Trp 65
65
67 225 230 235 240 68 Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys Leu 69 245 255 250 255 70 Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser 71 260 265 265 270 72 Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn 73 275 280 285 74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
68 Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys Leu 69
69
70 Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser 71 260 265 270 72 Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn 73 275 280 285 74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
71 260 265 270 72 Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn 73 275 280 285 74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
72 Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn 73 275 280 285 74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
73 275 280 285 74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
74 Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys
75 200 205 200
76 Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn Ser
77 305 310 315 320
78 Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys Asp Ser Ser Pro 79 325 330 335
80 Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro Glu Leu Thr Pro
81 340 345 350
82 Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly Thr
83 355 360 365
84 Ser Ser Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser Met
85 370 375 380
86 Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala Gly
87 385 390 395 400
88 Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro Trp
89 405 410 415
90 Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu Lys
91 420 425 430
92 Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Val Val
93 435 440 445
94 Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe Gly
95 450 455 460
96 Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly Thr 97 465 470 475 480
97 465 470 475 480 98 Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg His Ser Ile Phe
99 485 490 495
100 Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys Asn Tyr Cys Arg
101 500 505 510
102 Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn Pro
103 515 520 525
104 Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys Ala Ala Pro Ser
105 530 535 540
106 Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys Cys Pro Gly Arg

Input Set: A:\SEQLIST500862001400.TXT
Output Set: N:\CRF4\08032005\1657431A.raw

560 555 550 108 Val Val Gly Gly Cys Val Ala His Pro His Ser Trp Pro Trp Gln Val 570 565 110 Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly Gly Thr Leu Ile 111 112 Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu Glu Lys Ser Pro 600 114 Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His Gln Glu Val Asn 615 116 Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu Glu 630 635 118 Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala Val 650 645 120 Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr Val 665 122 Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr Gln 123 675 124 Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln Leu Pro Val Ile 695 126 Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val Gln 710 715 128 Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser Cys 725 130 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys Tyr 745 740 132 Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro Asn 133 755 760 134 Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val Thr Trp Ile Glu 775 135 770 136 Gly Val Met Arg Asn Asn 137 785 140 <210> SEQ ID NO: 2 141 <211> LENGTH: 7 142 <212> TYPE: PRT 143 <213> ORGANISM: Artificial Sequence 145 <220> FEATURE: 146 <223> OTHER INFORMATION: Synthetic Peptide 148 <400> SEQUENCE: 2 149 Pro Arg Lys Leu Tyr Asp Lys 150 1 153 <210> SEQ ID NO: 3 154 <211> LENGTH: 12 155 <212> TYPE: PRT 156 <213> ORGANISM: Artificial Sequence 158 <220> FEATURE: 159 <223> OTHER INFORMATION: Synthetic Peptide 161 <400> SEQUENCE: 3 162 Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys

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290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
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303 <213> ORGANISM: Artificial Sequence
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Input Set : A:\SEQLIST500862001400.TXT
Output Set: N:\CRF4\08032005\I657431A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:18; Xaa Pos. 1,7
Seq#:19; Xaa Pos. 1,12
Seq#:20; Xaa Pos. 1,24
Seg#:21; Xaa Pos. 1,12
Seq#:22; Xaa Pos. 1,8
Seq#:23; Xaa Pos. 1,7
Seq#:24; Xaa Pos. 1,7
Seq#:25; Xaa Pos. 1,12
Seg#:26; Xaa Pos. 1,11
Seq#:27; Xaa Pos. 1,11
Seq#:28; Xaa Pos. 1,24
Seq#:29; Xaa Pos. 1,23
Seq#:30; Xaa Pos. 1,23
Seq#:31; Xaa Pos. 1,12
Seq#:32; Xaa Pos. 1,11
Seq#:33; Xaa Pos. 1,11
Seq#:34; Xaa Pos. 1,7
Seq#:35; Xaa Pos. 1,6
Seq#:36; Xaa Pos. 1,6
Seq#:37; Xaa Pos. 1,7
Seq#:38; Xaa Pos. 1,6
Seq#:39; Xaa Pos. 1,6
Seq#:40; Xaa Pos. 1,8
Seq#:41; Xaa Pos. 1,8
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DATE: 08/03/2005

TIME: 08:18:42

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/657,431A

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Output Set: N:\CRF4\08032005\1657431A.raw

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DATE: 08/03/2005

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/657,431A TIME: 08:18:42

Input Set: A:\SEQLIST500862001400.TXT
Output Set: N:\CRF4\08032005\1657431A.raw

L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0 M:341 Repeated in SeqNo=28 L:603 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:607 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29 L:611~M:258~W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29 L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0 M:341 Repeated in SeqNo=29 L:626 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:630 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30 L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30 L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0 M:341 Repeated in SeqNo=30 L:649 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:653 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31 L:657 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31 L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0 L:670 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:674 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32 L:678 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32 L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0 L:691 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:695 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33 L:699 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33 L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0 L:712 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:716 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34 L:720 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34 L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0 L:733 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:737 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35 L:741 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35 L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0 L:754 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:758 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36 L:762 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36 L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0 L:775 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:779 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37 L:783 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37 L:784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0 L:796 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:800~M:258~W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38 L:804 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38 L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0 L:817 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:821 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39 L:825 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39 L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0 L:838 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/657,431A TIME: 08:18:42

DATE: 08/03/2005

Input Set : A:\SEQLIST500862001400.TXT Output Set: N:\CRF4\08032005\1657431A.raw

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L:859 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:863 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41 L:868 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41 L:869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0